

WHAT IS CLAIMED IS:

1. A method for correcting programs in a computer system having a plurality of logical computers, said method comprising the steps of:
- copying programs and data under control of a first logical computer that is in operation from a first storage means assigned to said first logical computer to a second storage means;
  - activating a second logical computer that has been in standby mode by using said copied programs;
  - correcting said copied programs by using a correction program included in said copied program;
  - switching control of a network from said first logical computer to said second logical computer; and
  - switching operation from said first logical computer to said second logical computer that uses said corrected programs.
2. A method for correcting programs according to Claim 1, further comprising the steps of: collecting a log of update applied to said first storage means from which the programs and the data are copied in said copying step; and updating said second storage means to which the programs and the data are copied by using said log after completion of said copying step.

3. A method for correcting programs according to Claim 1, further comprising the steps of: sending a correction result of said copied programs from said second logical computer to said first logical computer; and if it is determined that the correction of said programs has been finished normally, switching operation from said first logical computer to said second logical computer that uses said copied and corrected programs.

4. A method for correcting programs according to Claim 1, further comprising the steps of: in said step of switching control of said network, prohibiting acceptance of external requests via said network; completing process of the external requests that have been accepted previously; altering a first network address of a first network device under control of said first logical computer to a second network address; and setting said first network address as a network address of a second network device under control of said second logical computer.

5. A method for correcting programs according to Claim 1, further comprising the steps of: when the first network device under control of said first logical computer that is in operation has the first network address as own network address, in said step of switching control of said network, setting said first network

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address as the network address of the second network  
device under control of said second logical computer;  
altering the network address of said first network device  
to the second network address; and in a packet that is  
5 transmitted externally via said network and that has said  
second network address as own source address, altering  
said source address to said first network address.

6. A program that allows a computer to implement  
the features of:

10 copying programs and data under control of a first  
logical computer that is in operation in a computer system  
having a plurality of logical computers from a first  
storage means assigned to said first logical computer to a  
second storage means;

15 activating a second logical computer that has been  
in standby mode by using said copied programs;

correcting said copied programs by using a  
correction program included in said copied programs;

20 switching control of a network from said first  
logical computer to said second logical computer; and

switching operation from said first logical  
computer to said second logical computer that uses said  
corrected programs.

7. A program according to Claim 6 that allows the  
25 computer to further implement the features of: collecting

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a log of update applied to said first storage means from which the programs and the data are copied when said copying feature is implemented; and updating said second storage means to which the programs and the data are  
5 copied by using said log after completion of said copying step.

8. A program according to Claim 6 that allows the computer to further implement the features of: sending a correction result of said copied programs from said second  
10 logical computer to said first logical computer; and if it is determined that the correction of said programs has been finished normally, switching operation from said first logical computer to said second logical computer that uses said copied and corrected programs.

15 9. A program according to Claim 6 that allows the computer to further implement the features of: when switching said network, prohibiting acceptance of external requests via said network; completing process of the external requests that have been accepted previously;  
20 altering a first network address of a first network device under control of said first logical computer to a second network address; and

setting said first network address as a network address of a second network device under control of said  
25 second logical computer.

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10. A program according to Claim 6 that allows the computer to further implement the features of: if the first network device under control of said first logical computer that is in operation has the first network address as own network address, when switching said network, setting said first network address as the network address of the second network device under control of said second logical computer; altering the network address of said first network device to the second network address; and in a packet that is transmitted externally via said network and that has said second network address as own source address, altering said source address to said first network address.

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